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DECLASS REVIEW by NIMA/DOD

9 JANUARY 1960

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for 1/12/60

SUBJECT: CONTRACT No. [REDACTED]
PROGRESS REPORT NO. 11

[REDACTED]

IN COMPLIANCE WITH THE REQUIREMENTS OF SCHEDULE A, ARTICLE 2, ITEM 5 OF SUBJECT CONTRACT, WE HEREWITH SUBMIT MONTHLY PROGRESS REPORT NO. 11. THIS REPORT COVERS THE PERIOD FROM 9 DECEMBER 1959 TO 9 JANUARY 1960 ON THE DESIGN AND FABRICATION OF THREE (3) NADIR DETERMINATION DEVICES.

DURING THE REPORTING PERIOD, THE MAJORITY OF EFFORT HAS BEEN EXPENDED ON THE ASSEMBLY AND CHECKOUT OF THE SYSTEM OF THE FIRST UNIT. CHECKOUT HAS BEEN COMPLETED ON ALL SWITCHING CIRCUITRY AND RELATED COMPONENTS. THE MAIN SERVO LOOP HAS BEEN CLOSED AND PRELIMINARY CHECKOUT COMPLETED. IT SHOULD BE NOTED THAT THE SERVO SYSTEM HAS DEMONSTRATED A REPEATABLE ACCURACY OF ± 2 MICRONS IN THE STATIC MODE. HOWEVER, THE SERVO SYSTEM IS SLUGGISH AND NEEDS FURTHER WORK TO PROVIDE THE TRACKING SPEEDS. THIS IS EXPECTED TO BE ACCOMPLISHED WITHIN TWO WEEKS. THE MAGNETIC AMPLIFIERS REQUIRE AN INCREASED AMOUNT OF COOLING, WHICH WILL BE ACCOMPLISHED WITH A HIGH PRESSURE BLOWER AND RELATED FACILITIES. THE CABINET BLOWER HAS BEEN ISOLATED PRIMARILY BECAUSE OF VIBRATION. IT WILL BE HOUSED IN A SEPARATE CABINET, WHICH WILL SERVE THE FUNCTIONAL PURPOSE OF PROVIDING A TABLE FOR THE PAPER TAPE PUNCH.

WHILE THE CONTRACT REFERS TO THIS DEVICE AS THE NADIR DETERMINATION DEVICE, WE HAVE ASSIGNED A TRADE NAME IN MORE GENERAL TERMS: THE GRAPHICAL INFORMATION ANALOG-NUMERICAL TRANSLATOR (GIANT). STATINTL

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DURING THE REPORTING PERIOD, [REDACTED] HAS BEEN RECEIVED OF THE [REDACTED] ESTIMATED ADDITIONAL FUNDS REQUIRED TO COMPLETE THIS CONTRACT. FULL EFFORT HAS BEEN RESUMED ON THE FIRST UNIT. WHEN THE ADDITIONAL REQUIRED FUNDS ARE RECEIVED, FULL EFFORT WILL BE RESUMED ON THE REMAINING TWO UNITS. WE, THEREFORE, EXPECT TO COMPLETE THE DESIGN, FABRICATION AND CHECKOUT OF THE FIRST UNIT BY 30 JANUARY. THE WEEK OF 1 FEBRUARY WILL BE DEVOTED TO OUR PRE-DELIVERY QUALITY CONTROL AND

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FIELD ENGINEERING INSPECTIONS. ON 8 FEBRUARY, THIS UNIT WILL BE READY FOR YOUR ACCEPTANCE INSPECTION. IF THE ADDITIONAL FUNDS REQUIRED TO COMPLETE THIS CONTRACT ARE RECEIVED BY 15 JANUARY, THE REMAINING UNITS CAN BE COMPLETED BETWEEN 15 AND 31 MARCH, DEPENDING ON THE RESULTS OF THE ABOVE INSPECTIONS. WE EXPECT THE USING AGENCY OPERATORS TO ARRIVE ON 25 JANUARY FOR THEIR OPERATOR TRAINING PROGRAM.

SINCERELY YOURS,

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